



Johnston County 911 Communications

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Jason Barbour, ENP
Director

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Dear Mr. Taylor,

Johnston County is respected submitting its plan for a backup 911 center and requesting approval to use 911 revenue funds for the approved items. We are in the final planning stage of the process. Our goal is to have a facility that is completely independent of our main 911 center. Below is an explanation of how our plan will work:

Johnston County will construct a modular building 24' x 46' in size. This building is constructed to the NC building codes and meets 130 mph wind loading, which exceeds the 100 mph zone that we are located. The construction phase of this project will be covered by general fund revenue and not surcharge. The facility will be collocated at one of our radio tower sites which is behind the Clayton Fire Station #2. This site was selected primarily due to the fact the geographical area is served by a separate telephone central office than from our main 911 center. We expect to occupy the facility by the end of August 2008. Once the facility is constructed, we plan to outfit the facility with the following:

- a. 8-10 console answering points (est. \$80k)
- b. Independent 911 phone system (est. \$400k)
- c. Independent CAD system (est. \$250k)
- d. Mobile Radios (general fund expense)
- e. Independent Recording system (est. \$90k)
- f. Backup power (est. \$45k)

The technology chosen will allow this facility to be completely independent of our main 911 center. In addition, the CAD and phone systems will be connected via 4 redundant Ethernet paths to our main 911 center. This should allow data to be replicated every few minutes. Our 911 trunks and administrative lines will also be duplicated at this facility as well. Embarq is deploying a solution that allows us to control the backup 911 trunks. This will allow us to have a switch located in the main center that we can activate that will switch our 911 traffic from the main center to the backup center instantaneously. Our plan is to finance the costs of the 911 related equipment over a 3 or 4 year period. The recurring costs will be maintenance on the above equipment estimated at \$80k and the cost for providing the 911 trunks and administrative lines estimated at \$15k.

Sincerely,



Jason Barbour, ENP